

# ARCHIVES OF NEUROLOGY AND PSYCHIATRY

## EDITORIAL BOARD

TRACY J. PUTNAM, Chief Editor

416 North Bedford Drive, Beverly Hills, California

LOUIS CASAMAJOR, New York

STANLEY COBB, Boston

JOHN WHITEHORN, Baltimore

CHARLES D. ARING, Cincinnati

ADOLF MEYER, Baltimore

BERNARD J. ALPERS, Philadelphia

PERCIVAL BAILEY, Chicago

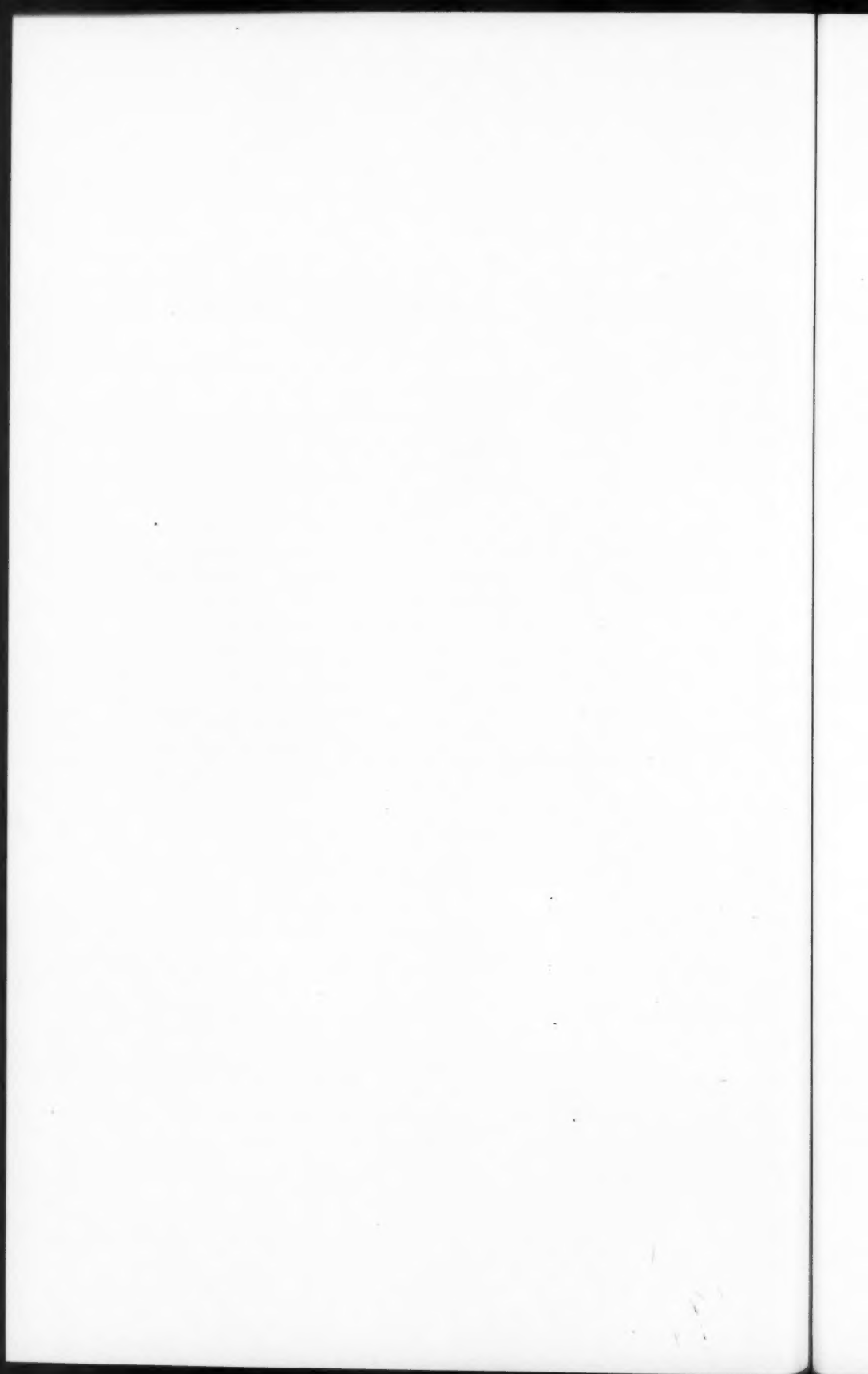
WILDER PENFIELD, Contributing Member, Montreal

## INDEX TO VOLUME 62 1949

PUBLISHED MONTHLY BY AMERICAN MEDICAL ASSOCIATION, 535 NORTH  
DEARBORN STREET, CHICAGO 10, ILLINOIS. ANNUAL SUBSCRIPTION, \$10.00

Entered as Second Class Matter Jan. 7, 1919, at the Postoffice at Chicago,  
Under the Act of Congress of March 3, 1879

COPYRIGHT, 1950, BY THE AMERICAN MEDICAL ASSOCIATION



## INDEX TO VOLUME 62

The asterisk (\*) preceding the page number indicates an original article in the Archives. Subject entries are made for all articles. Author entries are made for original articles and society transactions. Book Reviews and Society Transactions are indexed under these headings in their alphabetical order under the letters B and S, respectively.

- Abnormalities and Deformities:** See under names of diseases, organs and regions, as Cisterna Magna; Corpus Callosum; etc.
- Abscess:** See also under names of organs and regions, as Brain; Lungs; etc.  
multiple metastatic abscesses of brain, \*439
- Accidents:** See Trauma
- Acetylcholine:** See Choline and Choline Derivatives
- Acridine Dyes:** psychotic reactions to ingestion of large doses of quinacrine [atabrine®], 505
- Acromioclavicular Joint:** See Shoulder
- Actinic Rays:** See Ultraviolet Rays
- Adatto, C. F.:** Observations on criminal patients during narcoanalysis, \*82
- Adenohypophysis:** See Pituitary Body
- Adenoma:** muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- Adipose Tissue:** See Fat; Obesity
- Adler, A.:** Reexamination of patient with visual agnosia 3 years after injury; cinematographic demonstration, 694
- Age, Old:** See Old Age
- Agnosia:** See Aphasia
- Agranulocytosis:** See Granulocytopenia
- Agaphria:** See Aphasia
- Albuminocytologic Dissociation:** See Guillain-Barré Syndrome
- Alexander, W. S.:** Influence of chemotherapy on pathology of purulent leptomeningitis, \*73
- Alexia:** See Aphasia
- Allesthesia:** See under Perception
- Alpers, B. J.:** Aneurysm of internal carotid artery with normal arteriogram; report of 2 cases, 520  
Role of repeated trauma by pneumatic drill in production of amyotrophic lateral sclerosis, \*178
- Altschule, L. H.:** Changes in leukocytes of blood in man after electrically induced convulsions, \*624
- Altschule, M. D.:** Changes in leukocytes of blood in man after electrically induced convulsions, \*624  
Extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618
- Amentia:** See Insanity; Mental Diseases; etc.
- American Medical Association,** third annual clinical session of, 665
- Amnesia:** observations on criminal patients during narcoanalysis, \*82
- Amygdaloid Nucleus:** See under Brain
- Amyotrophy:** See Atrophy, muscular; Sclerosis, amyotrophic lateral
- Analgesia:** See Anesthesia; Pain
- Anesthesia:** clinical pharmacology and uses of cure, 878  
electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*150  
observations on criminal patients during narcoanalysis, \*82  
subarachnoid alcohol block in paraplegics, 253  
suprascapular nerve block in therapy of shoulder pain, 119
- Anesthetics:** See Anesthesia
- Aneurysm:** arteriovenous fistula (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778  
of internal carotid artery with normal arteriogram; report of 2 cases, 520  
of posterior communicating artery; report of 5 cases with operation, 368  
of terminal portion of anterior cerebral artery, 680
- Angina, Agranulocytic:** See Granulocytopenia
- Angiography:** See Brain, blood supply
- Angioma of basal ganglia,** 118
- Anomalles:** See under names of organs and regions
- Anticholinesterase:** See Cholinesterase
- Antigens and Antibodies:** disseminated encephalomyelitis experimentally produced by use of homologous antigen, 688
- Anxiety:** See also Neuroses and Psychoneuroses  
hyperventilation syndrome, 252  
initiation, communication and interpersonal management, \*527
- Aphasia:** reexamination of patient with visual agnosia 3 years after injury; cinematographic demonstration, 694  
use of language in dreams in analysis of aphasic deficits, \*725
- Apoplexy:** See Brain, hemorrhage
- Apparatus:** threshold studies in electrical convulsions with use of square wave stimulator, 680
- Aqueduct of Sylvius,** membranous obstruction (internal hydrocephalus) producing syndrome of midline cerebellar tumor, 519
- Archivos de histologia normal y patológica,** publication of, 380
- Area Postrema:** See Brain
- Arleff, A. J.:** Threshold studies in electrical convulsions with use of square wave stimulator, 680
- Aring, C. D.:** Prognosis in Japanese B encephalitis, \*759
- Armed Forces Personnel:** See Military Medicine; etc.
- Arms:** See Extremities; etc.
- Arteries:** See also Aneurysm; Blood pressure; Embolism; Endarteritis; Thrombosis; Vasomotor System; etc.  
aneurysm of internal carotid artery with normal arteriogram; report of 2 cases, 520  
arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818
- Cerebral:** See also Brain, blood supply  
cerebral; aneurysm of terminal portion of anterior cerebral artery, 680  
cerebral hemorrhage following repair of common carotid-internal jugular arteriovenous fistula, 674
- Arteritis:** See Endarteritis
- Arthritis:** See Periarthritis
- Ascoli, I.:** Extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618
- Astrocytoma:** electroencephalography in differential diagnosis of supratentorial tumors, 255
- Atabrine®:** See Acridine Dyes
- Ataxia, Friedreich's,** intelligence of patients with, 252  
microscopic study of inner ear of ataxic rabbit, 507
- Atlas and Axis:** platybasia, 254
- Atrophy:** See under names of organs and regions, as Brain; Nerves, optic; etc.  
muscular and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304

- Austin, G. M., Jr.: Studies on occipital lobe; significance of small areas of preserved central vision, \*204  
 Axis: See Atlas and Axis  
 Axons: See Neurons
- Backache:** cause and mechanism of symptom-production in sciatica and low-back pain, 678
- Barker, W.: Brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412
- Barré-Guillain Syndrome: See Guillain-Barré Syndrome
- Barrera, S. E.: Use of potassium in protracted insulin coma; preliminary report, \*280
- Barrier, Hemoencephalic: See Hemoencephalic Barrier
- Barry, M., Jr.: Significance of maternal beavement before age of 8 in psychiatric patients, \*630
- Basilar Impression: See Atlas and Axis; Occipital Bone
- Basophilism: See Pituitary Body
- Beak; insulin-induced abnormalities of beak, extremities and eyes in chickens, 114
- Behavior, analysis of prefrontal lobe syndrome and its theoretic implications, \*1  
 Children's: See under Children  
 postural, analysis of, 670
- Bell's Palsy: See Paralysis, facial
- Bender, M. B.: Allosthesia and disturbance of body scheme, \*222  
 Extinction phenomenon in hemiplegia, \*717
- Benton, A. L.: Visual retention test performance in children; normative and clinical observations, \*610
- Berger Rhythm: See Brain, electroencephalography
- "Blackout": See Syncope
- Bladder, paralysis; treatment and prognosis of traumatic paraplegia, 122  
 sacral innervation of human bladder, 686  
 subarachnoid alcohol block in paraplegics, 253
- Blindness, Word Blindness: See Aphasia
- Blood: See also Leukocytes  
 aseptic hemogenic meningitis; experimental study of aseptic meningeal reactions due to blood and its breakdown products, \*572  
 chemistry of schizophrenic patients before, during and after insulin shock therapy; preliminary studies, \*809  
 Circulation: See Arteries; Capillaries; Heart; Vasomotor System; Veins; etc.  
 extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618  
 plasma calcium fractions after electric convulsion treatment, \*99  
 potassium; periodic paralysis associated with obesity of hypothalamic origin; observations in case with change in electrocardiogram and serum potassium level, \*103  
 pressure; frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701  
 pressure, high; onset of psychosis in hypertension, \*472  
 pressure, high; pathologic changes in endocrine glands and hypertension, \*471  
 pressure, high; recurrent hypertensive cerebral thrombosis; clinicopathologic analysis of 6 cases with discussion of pathogenesis, \*445  
 pressure, high; relation of cardiac hypertrophy to hypertension, \*469  
 pressure, low; syndrome of intracranial hypotension accompanying insulin coma; efficacy of cerebral pneumothorax, 675  
 Sugar: See also Dextrose; Insulin; etc.  
 sugar; muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- Blood—Continued**  
 Vessels: See Arteries; Capillaries; Endarteritis; Vasomotor System; Veins; etc.  
 Blood-Brain Barrier: See Hemoencephalic Barrier  
 Body; allosthesia and disturbance of body scheme, \*222  
 Fluids: See Fluids  
 Mind and Body: See under Mind  
 Boldrey, E.: Arteriovenous fistula (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778  
 Bones: See under names of bones
- BOOK REVIEWS:**  
 Atlas of Peripheral Nerve Injuries; W. R. Lyons and B. Woodhall, 861  
 Neurobiologia delle percezioni (Neurobiology of Perceptions); V. M. Buscaino, 125  
 Therapy Through Interviews; S. G. Law, 126  
 Walshe's Textbook on Diseases of the Nervous System; critical comments, \*236
- Books;** revised edition of "Reviews of Medical Motion Pictures" now available, 380
- Bouillaud's Disease: See Rheumatic Fever
- Bourne, G. C.: Cerebral fat embolism; report of case with recovery, \*355
- Bourneville's Disease: See Sclerosis, tuberosus
- Brachium Pontis: See Cerebellum
- Brain: See also Cerebellum; Corpus Callosum; Dura Mater; Hypothalamus; Medulla Oblongata; Meninges; Nervous System; Pons Varoli; Thalamus; etc.  
 abscess, metastatic mycotic, \*314  
 abscess, multiple metastatic, \*439  
 allosthesia and disturbance of body scheme, \*222  
 amygdaloid nucleus in rat, 874  
 analysis of prefrontal lobe syndrome and its theoretic implications, \*1  
 arteriovenous fistula (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778  
 atrophy: Pick's disease; general survey and report of case with chronic chorea, 375  
 Blood Supply: See also Aneurysm; Arteries; Hemoencephalic Barrier; Thrombosis; etc.  
 blood supply; acute effects on cerebral circulation of reduction of increased intracranial pressure by means of intravenous glucose or ventricular drainage, 362  
 blood supply; physiologic studies on arteriovenous anomalies of brain, \*371  
 calcification, with Bourneville's disease (tuberosus sclerosis); report of case, 881  
 cerebral lesions responsible for death of patients with active rheumatic fever, \*48  
 cerebral regulation of motor coordination in monkeys following multiple transection of sensorimotor cortex, 503  
 Concussion: See Brain, Injuries  
 Diseases: See also Encephalitis; Insanity; Mental Diseases; etc.  
 diseases; dementia with pallidum in adolescent; cortical and subcortical lesions due to diffuse cerebral endarteritis, 504  
 effects of displacement by tumors, 867  
 effects of ultraviolet radiation on exposed brain, \*127  
 electroencephalogram, clinical application of automatic analysis of, 513  
 electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*150  
 electroencephalographic studies in spinal cord disease, \*293  
 electroencephalography; agenesis of corpus callosum; electroencephalographic study, \*840

## Brain—Continued

- electroencephalography; applications and limitations in general hospital, 510  
 electroencephalography; "borderland of epilepsy"; reconsideration, \*551  
 electroencephalography; brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412  
 electroencephalography; clinical significance in cases of cerebral paralysis, 682  
 electroencephalography; implications of electroencephalographic abnormalities in psychopathic personality, 870  
 electroencephalography in differential diagnosis of supratentorial tumors, \*255  
 electroencephalography; syncope and seizures, 365  
 Embolism: See Embolism  
 excessive hunger as symptom of cerebral origin, 685  
 focal disorder of brain activity as it relates to character of convulsive seizures; electroencephalogram in focal seizures, \*590  
 frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701  
 hemorrhage following repair of common carotid-internal jugular arteriovenous fistula, 674  
 hernia; Intranasal (sphenopharyngeal) encephalocele, 116  
 histopathologic reaction of area postrema, 668  
 Inflammation: See Encephalitis  
 injuries; blood-brain barrier in concussion, 668  
 injuries; use of language in dreams in analysis of aphasic deficits, \*725  
 irritating effect of iodized vegetable oils on brain and spinal cord, 523  
 late changes in brain stem following trigeminal tractotomy, \*493  
 Pressure: See Cerebrospinal Fluid, pressure; Cranium, pressure  
 reactions of cerebral tissue to silver, tantalum and zirconium, 251  
 Sclerosis: See Sclerosis  
 studies on occipital lobe; significance of small areas of preserved central vision, \*204  
 surgery; electroencephalographic changes after prefrontal lobotomy with particular reference to effect of lobotomy on sleep spindles, \*150  
 surgery; leukotomy performed on children and its indications, 879  
 surgery; locomotor capacity of larval Amblystoma following surgical procedures on embryonic brain; quantitative studies, 877  
 surgery; prefrontal lobectomy in schizophrenia, \*560  
 surgery; quantitative study of locomotion in larval Amblystoma following either mid-brain or forebrain excision, 361  
 surgery; selection of psychiatric cases for prefrontal lobotomy, 698  
 surgery; technic of cortical excision; experimental study of postoperative cicatrization, 479  
 syndrome of intracranial hypotension accompanying insulin coma; efficacy of cerebral pneumothorax, 675  
 Syphilis: See Neurosyphilis  
 topographic representation of muscles in motor cortex of monkeys, 364  
 tonulosis of, 679  
 trophokinetic role of anterior portion of diencephalon; preliminary note, 667  
 tumors; conservative treatment of third ventricular tumors, 120  
 tumors; electroencephalography in differential diagnosis of supratentorial tumors, \*255  
 tumors; metastatic seminoma of brain, 881  
 wave frequencies and brain chemistry, 511
- Brain-Blood Barrier: See Hemoencephalic Barrier  
 Brown, F. M.: Patterns of increased electrical skin resistance in acute human poliomyelitis, \*766  
 Bruesch, S. R.: Patterns of increased electrical skin resistance in acute human poliomyelitis, \*766  
 Burgwin, S.: Brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412  
 Bursa; causation and treatment of painful stiff shoulder; subdeltoid bursitis, periarthritis, tendinitis and adhesive capsulitis, 676  
 suprascapular nerve block in therapy of shoulder pain, 119  
 Bursitis: See Bursa
- Calcification: See under Brain  
 Calcium and Calcium Compounds, in Blood: See under Blood  
 Cancer: See Sarcoma; and under names of organs and regions  
 Capillaries: See also Vasomotor System  
 cerebral lesions responsible for death of patients with active rheumatic fever, \*48  
 Cardiovascular System: See Arteries; Heart; Vasomotor System; etc.  
 Carotid Artery: See under Arteries  
 Carotid Sinus, successful treatment of myasthenia gravis of bulbar type by unilateral denervation of, 124  
 Carter, S.: Longevity in multiple sclerosis, \*784  
 Catatonia: See Dementia Precox  
 Cauda Equina: See Spinal Cord  
 Causalgia: See Neuralgia  
 Cells: See also Neuroglia  
 axial organization of neural crest, studied with particular reference to its pigmentary component, 114  
 Cephalalgia: See Headache  
 Cephalocele: See Brain, hernia  
 Cerebellum, medulloblastoma of, \*322  
 medulloblastoma; report of case with discussion of origin, \*653  
 membranous obstruction of aqueduct of Sylvius (internal hydrocephalus) producing syndrome of midline cerebellar tumor, 519  
 Cerebrospinal Fever: See Meningitis  
 Cerebrospinal Fluid, acute effects on cerebral circulation of reduction of increased intracranial pressure by means of intravenous glucose or ventricular drainage, 362  
 Albuminocytologic Dissociation: See Guillain-Barré Syndrome  
 penicillin in treatment of neurosyphilis; spinal fluid changes in cases of symptomatic neurosyphilis, 83  
 pressure; changes under influence of continuous subarachnoid infusion of normal saline, 875  
 spontaneous cerebrospinal rhinorrhea; successful surgical treatment, 884  
 Cerebrum: See Brain  
 Chaffee, J. S.: Agenesis of corpus callosum; electroencephalographic study, \*840  
 Chapman, W. P.: Frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701  
 Charcot's Disease: See Sclerosis, amyotrophic lateral  
 Chemotherapy: See Meningitis; Neurosyphilis; etc.  
 Chen, G.: Anticonvulsant activities of certain thiazolidones and hydantoins as determined by electric shock procedures in cats, rats and mice, \*857  
 Chest: See Thorax  
 Chickens: See Fowls  
 Children; congenital myasthenia in siblings, \*745  
 course in child psychiatry. Center for Continuation Study, 665

## Children—Continued

- leukotomy performed on children and its indications, 879
- psychoanalytic study of ulcerative colitis in, 365
- significance of maternal bereavement before age of 8 in psychiatric patients, \*630
- visual retention test performance in; normative and clinical observations, \*610
- Choanae: See Nose
- Choked Disk: See Neuritis, optic
- Choline and Choline Derivatives: See also Cholinesterase
  - acetylcholine and neuromuscular transmission, 503
  - acetylcholine and synaptic transmission in spinal cord, 503
  - generality of role of acetylcholine in nerve and muscle conduction, 363
- Cholinesterase: synaptic conduction to giant fibers of cockroach and action of anticholinesterases, 363
- Chordotomy: See under Spinal Cord
- Chorea: Pick's disease; general survey and report of case with chronic chorea, 375
- Chromatophores: See Melanin, pigmentation
- Chusid, J. G.: Agnesis of corpus callosum; electroencephalographic study, \*840
- Cicatrix; technic of cortical excision; experimental study of postoperative cicatrization, \*479
- Cinematography: See Moving Pictures
- Cingulum: See Corpus Callosum
- Circle of Willis: See Brain
- Circumovlary Fascicles: See Pyramidal Tract
- Cisterna Magna: developmental defects of cisterna magna and dura mater, 250
- Clinical Session, third annual, of American Medical Association, 665
- Colitis, ulcerative; psychoanalytic study in children, 365
- Collins, N. T.: Visual retention test performance in children; normative and clinical observations, \*610
- Colon, Inflammation: See Colitis
- Coma: See Insulin
- Communicable Diseases: See Meningitis; Syphilis; etc.
- Compulsion: See Dementia Precox; Neuroses and Psychoneuroses
- Concussion: See Brain, Injuries
- Conde, A.: Electroencephalography in differential diagnosis of supratentorial tumors, \*255
- Congress: See Societies
- Contusions: See Brain, Injuries
- Convulsions: See also Epilepsy
  - anticonvulsant activities of certain thiazolidones and hydantoin as determined by electric shock procedures in cats, rats and mice, \*857
  - changes in leukocytes of blood in man after electrically induced convulsions, \*624
  - focal disorder of brain activity as it relates to character of convulsive seizures; electroencephalogram in focal seizures, \*590
- Therapeutic: See Dementia Precox; Insanity; Mental Diseases
- Coolidge, J.: Electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*150
- Coordination; microscopic study of inner ear of ataxic rabbit, 507
- Cordotomy: See Spinal Cord, surgery
- Corpus Callosum, agnesis of; electroencephalographic study, \*840
- Corpus Luyai: See Hypothalamus
- Restiforme: See under Medulla Oblongata
- Correction in article by Drs. H. Freeman and R. N. Zaborenko "Relation of Changes in Carbohydrate Metabolism to Psychotic States" (Arch. Neurol. & Psychiat. 62: 569 [May] 1949), 665

## Correction—Continued

- in article by Drs. R. Hodes, M. G. Larrabee and W. German "Human Electromyogram in Response to Nerve Stimulation and Conduction Velocity of Motor Axons: Studies on Normal and on Injured Peripheral Nerves" (Arch. Neurol. & Psychiat. 62: 348 [Oct.] 1949), 665
- Corticospinal Tract: See Pyramidal Tract
- Costero, I.: Cerebral lesions responsible for death of patients with active rheumatic fever, \*48
- Craig, W. M.: Metastatic mycotic abscesses of brain, \*314
- Cranium: See also Occipital Bone
  - arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818
  - effects of displacement of brain by tumors, 867
- Injuries: See Brain, Injuries
- meningitis treated intracranially with heparin and penicillin; report of case, 682
- pressure; acute effects on cerebral circulation of reduction of increased intracranial pressure by means of intravenous glucose or ventricular drainage, 362
- toxoplasmosis, 880
- treatment of severe intracranial infection by repeated intraventricular injection of penicillin; theoretic and practical considerations, 120
- Crime and Criminals; observations on criminal patients during narcoanalysis, \*82
- Curare, clinical pharmacology and uses of, 878
  - curare-controlled electrical convulsion therapy, 124
  - in spastic paraplegia, 251
  - possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287
- Cushing Syndrome; sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696
- Cysts: See under names of organs and regions, as Dura Mater; etc.
- Cytology: See Cells
- Davidoff, L. M.: Arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818
- Death; significance of maternal bereavement before age of 8 in psychiatric patients, \*630
- de Gutiérrez-Mahoney, C. G.: Agnesis of corpus callosum; electroencephalographic study, \*840
- Delusions: See under Dementia Precox; Insanity; etc.
- Dementia: See also Dementia Precox; Insanity; etc.
  - Epileptic: See Epilepsy
  - with pallidum in adolescent; cortical and subcortical lesions due to diffuse cerebral endarteritis, 504
- Dementia Precox; blood chemistry of schizophrenic patients before, during and after insulin shock therapy; preliminary studies, \*809
  - lung abscess following electroconvulsive therapy, 670
  - possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287
  - prefrontal lobectomy in schizophrenia, \*560
  - schizophrenia and retinitis pigmentosa, 671
  - selection of psychiatric cases for prefrontal lobotomy, 698
  - trends of vocational achievement in mental disorder, 506
- Depression: See also Insanity; Mental Diseases; Neuroses and Psychoneuroses

## Depression—Continued

extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618

Dermatomes: See Skin

Dextrose: See also Blood sugar

acute effects on cerebral circulation of reduction of increased intracranial pressure by means of intravenous glucose or ventricular drainage, 362

Diabetes insipidus, Hodgkin's disease involving pituitary gland with, 116

Diencephalon: See Brain

Diodrast®; arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*313

Diphenylhydantoinate: See Epilepsy

Diplegia: See Paralysis

Disk, Choked: See Neuritis, optic

Intervertebral: See under Spine

Optic: See Nerves, optic

Dogliotti, A. M.: Twenty years' experience in treatment of trigeminal neuralgia, 689

Dreams: See also Psychoanalysis

lion hunter's, 879  
use of language in dreams in analysis of aphasic deficits, \*725

Drill, Pneumatic: See Industry and Occupations

Drugs; arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*313

Ductless Glands: See Endocrine Glands

Duodenum, Ulcers: See Peptic Ulcer

Dura Mater: See also Meninges

chronic pachymeningitis; report of case and review of literature, \*383

developmental defects of cisterna magna and dura mater, 250  
subdural hemorrhage, cysts and false membranes, illustrating influence of intrinsic factors in disease when development of body is normal, 504

Dysphasia: See Aphasia

Dyspituitarism: See Pituitary Body

Ear, Internal: See also Equilibrium; Nystagmus

internal; microscopic study of inner ear of ataxic rabbit, 507

Eberhart, John; new director of research projects, National Institute of Mental Health, 380

Ebin, J.: Combined lateral and ventral pyramidotomy in treatment of paralysis agitans, \*27

Echlin, F.: Observations on "major" and "minor" causalgia, \*183, 695

Edema: See under names of organs and regions

Education: See also Schools  
course in child psychiatry, Center for Continuation Study, 665

Electricity: See also Electrotherapy; etc.  
frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701  
patterns of increased electrical skin resistance in acute human poliomyelitis, \*766

Electrocardiogram: See under Heart

Electroencephalography: See Brain, electroencephalography

Electromyogram: See Muscles

Electrotherapy: See also Dementia Precox; Epilepsy; Mental Diseases; Neuroses and Psychoneuroses; Personality; etc.

anticonvulsant activities of certain thiazolidones and hydantoinas as determined by electric shock procedures in cats, rats and mice, \*857  
changes in leukocytes of blood in man after electrically induced convulsions, \*624

## Electrotherapy—Continued

curare-controlled electrical convulsion therapy, 124

extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618

lung abscess following electroconvulsive therapy, 670

plasma calcium fractions after electric convulsion treatment, \*99

possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287  
threshold studies in electrical convulsions with use of square wave stimulator, 680

Elvidge, A. R.: Effects of ultraviolet radiation on exposed brain, \*127

Embolism: See also Thrombosis  
cerebral fat embolism; report of case with recovery, \*355

Emotions: See also Anxiety; etc.  
mental symptoms in association with hypothalamic lesions, 882

Encephalitis: See also Encephalomyelitis

prognosis in Japanese B encephalitis, \*759

Encephalocele: See Brain, hernia

Encephalomyelitis, disseminated, experimentally produced by use of homologous antigen, 688

peripheral nerve and root disturbances following vaccination against smallpox; study of 5 cases, review of literature and discussion of related entities, \*421

Encephalorrhagia: See Brain, hemorrhage

Endarteritis; dementia with pallidum in adolescent; cortical and subcortical lesions due to diffuse cerebral endarteritis, 504

Endocardium: See Heart

Endocrine Glands: See also under names of glands

and hypertension, pathologic changes, \*471

Endocrine Therapy: See under names of glands and hormones, as insulin; etc.

Engström, H.: Herpes zoster of seventh, eighth, ninth and tenth cranial nerves, \*638

Ensor, C. R.: Anticonvulsant activities of certain thiazolidones and hydantoinas as determined by electric shock procedures in cats, rats and mice, \*857

Epanutin®: See Epilepsy

Ependymoma, spinal subarachnoid implantation associated with, \*847

Epldermis: See Skin

Epilepsy: See also Convulsions; Sclerosis, tuberosus

"borderland of"; reconsideration, \*551  
fatal agranulocytosis due to trimethadione (tridione®), \*358

focal disorder of brain activity as it relates to character of convulsive seizures; electroencephalogram in focal seizures, \*590

in old age, 117

syncope and seizures, 365

technic of cortical excision; experimental study of postoperative cicatrization, \*479  
treatment with epanutin®, 121

Epiloia: See Sclerosis, tuberosus

Epiphysis: See Pineal Gland

Equilibrium: See also Cerebellum; Ear, internal; Nystagmus; Posture; etc.

disturbed, syndrome of sensorimotor induction in, \*330

Erb-Goldflam Disease: See Myasthenia Gravis

Ergot and Ergot Preparations; arteriographic study of effect of drugs (ergotamine tartrate) on intracranial vessels in patients with chronic headache; preliminary report, \*818

Erskine, C. A.: Late changes in brain stem following trigeminal tractotomy, \*493

Exercise, conditioned; value of early recognition and early therapy in cerebral palsy, 117



- Exercise—Continued  
 poliomyelitis; effect of exertion during pre-paralytic stage, 677  
 Extinction phenomenon in hemiplegia, \*717  
 Extremities: See also under names of bones  
 insulin-induced abnormalities of beak, extremities and eyes in chickens, 114  
 Paralysis: See also Paralysis; Poliomyelitis  
 paralysis; curare in spastic paraplegia, 251  
 paralysis; exchanges of sodium and potassium in familial periodic paralysis, 666  
 paralysis; periodic paralysis associated with obesity of hypothalamic origin; observations in case with changes in electrocardiogram and serum potassium level, \*105  
 Eyes: See also Orbit; Vision; and under special structures of eyes  
 insulin-induced abnormalities of beak, extremities and eyes in chickens, 114  
 involvement in poliomyelitis, 507  
 Face, atypical neuralgia of, 676  
 Paralysis: See Paralysis, facial  
 plastic surgical repair of facial paralysis, 150  
 Fainting: See Syncope  
 Falling Sickness: See Epilepsy  
 Falx Cerebri: See Dura Mater  
 Fantom Pain: See Peptic Ulcer  
 Fantopias: See Hallucinations  
 Farmer, R. A.: Role of repeated trauma by pneumatic drill in production of amyotrophic lateral sclerosis, \*178  
 Fat, cerebral fat embolism; report of case with recovery, \*355  
 Feeble-mindedness: See Idiotcy  
 Feeling: See Emotions  
 Feiring, E.: Arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818  
 Fernald, Walter E., State School; grant for training in psychiatry, 380  
 Fetus: See Pregnancy  
 Fever: See also Malaria; etc.  
 aseptic hemogenic meningitis; experimental study of aseptic meningeal reactions due to blood and its breakdown products, \*572  
 Therapeutic: See under Mental Diseases; Neurosyphilis; etc.  
 Fields, W. S.: Focal disorder of brain activity as it relates to character of convulsive seizures; electroencephalogram in focal seizures, \*590  
 Filum Terminale: See Spinal Cord  
 Fistula, arteriovenous (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778  
 cerebral hemorrhage following repair of common carotid-internal jugular arteriovenous fistula, 674  
 Fluids, extracellular, and plasma volumes in depressed patients given electric shock therapy, \*618  
 Foramen, Intervertebral: See under Spine  
 Magnum: See Medulla Oblongata  
 Fowls; insulin-induced abnormalities of beak, extremities and eyes in chickens, 114  
 Fractures: See under names of bones and joints  
 Freed, H.: Various uses of recorded interview in psychotherapy, 868  
 Freeman, K.: Quantitative visual index to memory impairment; preliminary report, \*794  
 Friedman, A. P.: Arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818  
 Friedreich's Disease: See Ataxia  
 Fright Disease: See Epilepsy  
 Frontal Lobe: See Brain  
 Fungi: See Mycosis; etc.  
 Funiculi, Posterior: See Spinal Cord  
 Furlow, L. T.: Multiple metastatic abscesses of brain, \*439  
 Gabrio, B. W.: Plasma calcium fractions after electric convulsion treatment, \*99  
 Gait: See Locomotion  
 Ganglion: See also Nervous System; Neurons  
 basal, angioma of, 118  
 Cells: See Neurons  
 projection of dermatomes on substantia gelatinosa, \*734  
 Gastric Ulcer: See Peptic Ulcer  
 Gates, E. M.: Metastatic mycotic abscesses of brain, \*314  
 Spinal subarachnoid implantation associated with ependymoma, \*847  
 Genitals: See under names of genitals  
 Geriatrics: See Old Age  
 Gibbs, F. A.: Clinical significance of electroencephalography in cases of cerebral paralysis, 682  
 Gibson, W. C.: Electroencephalography in differential diagnosis of supratentorial tumors, \*255  
 Gila: See Neuroglia  
 Glioblastoma; electroencephalography in differential diagnosis of supratentorial tumors, \*255  
 Gliosis: See Neuroglia  
 Glucose: See Dextrose  
 Glycemia: See Blood sugar  
 Goldham-Erb Disease: See Myasthenia Gravis  
 Goldhamer, H.: Use of language in dreams in analysis of aphasic deficits, \*725  
 Gonorrhea; gonococcal meningitis treated with penicillin and sulfamerazine, 122  
 Goodman, L.: Recurrent hypertensive cerebral thrombosis; clinicopathologic analysis of 6 cases with discussion of pathogenesis, \*445  
 Gorman, W. F.: Palatal myoclonus and primary nystagmus following trauma; report of case, \*798  
 Gottfried, S. P.: Blood chemistry of schizophrenic patients before, during and after insulin shock therapy; preliminary studies, \*809  
 Graduate Work: See Education  
 Grant, F. C.: Physiologic studies on arteriovenous anomalies of brain, 371  
 Studies on occipital lobe; significance of small areas of preserved central vision, \*204  
 Grant for training in psychiatry, Walter E. Fernald State School, 380  
 Granulocytopenia; fatal agranulocytosis due to trimethadione (tridione), \*358  
 Granuloma, Hodgkin's: See Hodgkin's Disease  
 Grinker, R. R.: Peacetime lessons from wartime psychiatry, 862  
 Grisel's Disease: See Torticollis  
 Groff, R. A.: Membranous obstruction of aqueduct of Sylvius (internal hydrocephalus) producing syndrome of midline cerebellar tumor, 519  
 Vascular abnormalities and tumors of spinal cord, 373  
 Grossman, C.: Periodic paralysis associated with obesity of hypothalamic origin; observations in case with changes in electrocardiogram and serum potassium level, \*105  
 Guillain-Barré Syndrome complicating anti-rabies inoculation, \*802  
 following vaccination against smallpox; report of case, 678  
 meningitis serosa and radiculitis, 672  
 polyradiculoneuritis (syndrome of Guillain and Barré) as late complication of epidemic hepatitis, 882  
 Gullit: See Psychoanalysis



- Haavik, J. E.:** Prefrontal lobectomy in schizophrenia, \*560
- Hallucinations:** observations on criminal patients during narcoanalysis, \*82
- Halpern, L.:** Syndrome of sensorimotor induction in disturbed equilibrium, \*330
- Hand,** unusual cause of irritative median neuritis in, 508
- unusual innervation of intrinsic muscles of hand by median and ulnar nerve, 375
- Hawley, P. R.:** Role of neurologist in medical program of Veterans Administration, 377
- Head:** See Cranium
- Injuries: See Brain, injuries; etc.
- Headache,** chronic, arteriographic study of effect of drugs on intracranial vessels in patients with; preliminary report, \*818
- Hearing, Audogenic Seizures:** See Epilepsy
- Heart, hypertrophy, laryngeal paralysis** associated with, 677
- hypertrophy, relation to hypertension, \*469
- periodic paralysis associated with obesity of hypothalamic origin; observations in case with changes in electrocardiogram and serum potassium level, \*105
- Hebephrenia:** See Dementia Precox
- Heimbürger, R. F.:** Sacral innervation of human bladder, 686
- Helne-Medin's Disease:** See Poliomyelitis
- Hematology:** See Blood
- Hematoma, Subdural:** See Meninges, hemorrhage
- Hemiplegia:** See also Brain, hemorrhage; Extremities, paralysis; Paralysis, spinal extinction phenomenon in, \*717
- neostigmine methylsulfate therapy in, \*93
- temperature of skeletal muscle in cerebral hemiplegia and paralysis agitaans, \*269
- Hemencephalic Barrier:** blood-brain barrier in concussion, 668
- Hemorrhage:** See Brain, hemorrhage; etc.
- Subarachnoid: See Meninges, hemorrhage
- Heparin, Therapy:** See Meningitis
- Hepatitis, epidemic, polyradiculoneuritis** (syndrome of Guillain and Barré) as late complication of, 882
- Heredity:** See Epilepsy
- Heredo-Ataxia:** See Ataxia, Friedreich's
- Hernia:** See Brain
- Herpes zoster** of seventh, eighth, ninth and tenth cranial nerves, \*638
- Histamine:** arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818
- Hoagland, H.:** Brain wave frequencies and brain chemistry, 511
- Hodgkin's Disease,** compression of spinal cord caused by, 676
- involving pituitary gland with diabetes insipidus, 116
- Hormones:** See Endocrine Glands; Insulin; etc.
- Hospitals:** applications and limitations of electroencephalography in general hospital, 510
- Hunger, excessive,** as symptom of cerebral origin, 685
- Huntington's Disease:** See Chorea
- Hydantoins:** anticonvulsant activities of certain thiazolidones and hydantoins as determined by electric shock procedures in cats, rats and mice, \*857
- Hydrocephalus:** membranous obstruction of aqueduct of Sylvius (internal hydrocephalus) producing syndrome of midline cerebellar tumor, 519
- Hydrophobia:** See Rabies
- Hygroma:** See Bursa; Hydrocephalus
- Hyperpnea:** See Respiration, hyperpnea
- Hyperpyrexia:** See Fever
- Hypertension:** See Blood pressure, high
- Hyperthermia:** See Fever
- Hypertrophy:** See under names of organs and regions, as Heart; etc.
- Hyperventilation:** See Respiration, hyperpnea
- Hypnosis:** brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412
- Hypocalcemia:** See Blood, calcium
- Hypomania:** See Mental Diseases
- Hypophysis:** See Pituitary Body
- Hypotension:** See Blood pressure, low
- Hypothalamus:** See also Pituitary Body
- mental symptoms in association with hypothalamic lesions, 882
- periodic paralysis associated with obesity of hypothalamic origin; observations in case with changes in electrocardiogram and serum potassium level, \*105
- precocious puberty with hypothalamic tumor (infundibuloma), 364
- trophokinetic role of anterior portion of diencephalon; preliminary note, 667
- Hysteria:** See Neuroses and Psychoneuroses
- I. Q.:** See Mental Tests
- Idiocy:** leukotomy performed on children and its indications, 879
- Imbecility:** See Idiocy
- Industry and Occupations:** role of repeated trauma by pneumatic drill in production of amyotrophic lateral sclerosis, \*178
- Infantile Paralysis:** See Poliomyelitis
- Infants:** See Children
- Infection:** See under names of bacteria and under names of diseases, organs and regions; etc.
- Infundibuloma:** precocious puberty with hypothalamic tumor (infundibuloma), 364
- Infundibulum:** See Hypothalamus
- Infusions:** See Injections
- Injections:** treatment of severe intracranial infection by repeated intraventricular injection of penicillin; theoretic and practical considerations, 120
- Injuries:** See under Brain; Nerves; Trauma; etc.
- Inoculation:** See Rabies
- Insanity:** See also Dementia; Dementia Precox; Depression; Mental Diseases
- Precocious:** See Dementia Precox
- trends of vocational achievement in mental disorder, 506
- Instruments:** See Apparatus
- Insulin:** See also Pancreas
- blood chemistry of schizophrenic patients before, during and after insulin shock therapy; preliminary studies, \*809
- insulin-induced abnormalities of beak, extremities and eyes in chickens, 114
- syndrome of intracranial hypotension accompanying insulin coma; efficacy of cerebral pneumothorax, 675
- use of potassium in protracted insulin coma; preliminary report, \*280
- Intelligence** of patients with Friedreich's ataxia, 252
- Tests:** See Mental Tests
- Internal Secretions:** See Endocrine Glands
- Intervertebral Disks:** See Spine
- Intocortin:** See Curare
- Intradural Space:** See Cranium
- Islands of Langerhans:** See Pancreas
- Jackson, I. J.:** Aseptic hemogenic meningitis; experimental study of aseptic meningeal reactions due to blood and its breakdown products, \*572
- Jacobson, M. B.:** Palatal myoclonus and primary nystagmus following trauma; report of case, \*798
- Jaeger, R.:** Aneurysms of posterior communicating artery; report of 5 cases with operation, 368
- Irritating effect of iodized vegetable oils on brain and spinal cord, 523

- Jews as symbol, 879
- Joints: See under names of joints
- Josey, W. E.: Quantitative visual index to memory impairment; preliminary report, \*794
- Journals: See Periodicals
- Kalinowsky, L. B.: Selection of psychiatric cases for prefrontal lobotomy, 698
- Kaplan, L. I.: Electroencephalographic studies in spinal cord disease, \*293
- Sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696
- Kennedy Syndrome: See Neuritis, optic
- Kernohan, J. W.: Effects of displacement of brain by tumors, 887
- Spinal subarachnoid implantation associated with ependymoma, \*847
- Kershman, J.: "Borderland of epilepsy"; reconsideration, \*551
- Electroencephalography in differential diagnosis of supratentorial tumors, \*255
- Kety, S. S.: Physiologic studies on arteriovenous anomalies of brain, 371
- Kirschbaum, W. R.: Excessive hunger as symptom of cerebral origin, 685
- Kiss, T.: Projection of dermatomes on substantia gelatinosa, \*734
- Krouse, H.: Guillain-Barré syndrome complicating antirabies inoculation, \*802
- Labyrinth: See Ear, internal
- Lampe, I.: Medulloblastoma of cerebellum, \*322
- Langerhans' Islands: See Pancreas
- Language, use in dreams in analysis of aphasic deficits, \*725
- Larynx, paralysis associated with cardiac hypertrophy, 677
- Lasègue's Sign, mechanism of origin of, 667
- Lederer, H. D.: Possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287
- Legs: See Extremities
- Lennox, M. A.: Electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*150
- Leptomenigitis: See Meningitis
- Leukocytes; changes in leukocytes of blood in man after electrically induced convulsions, \*624
- Leukotomy: See Brain, surgery
- Levin, P. M.: Congenital myasthenia in siblings, \*745
- Lewey, F. H.: Studies on occipital lobe; significance of small areas of preserved central vision, \*204
- Libido: See Psychoanalysis
- Lichtenstein, B. W.: Neurofibromatosis (von Recklinghausen's disease of nervous system); analysis of total pathologic picture, \*822
- Lidz, T.: Analysis of prefrontal lobe syndrome and its theoretic implications, \*1
- Muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- Life, duration; longevity in multiple sclerosis, \*784
- Limbs: See Extremities
- Lion hunter's dreams, 879
- Lissauer's Tract: See Spinal Cord
- Little's Disease: See Paralysis, spastic
- Livingston, K. E.: Frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701
- Livingston, R. B.: Frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701
- Lobectomy: See Brain, surgery
- Lobotomy: See Brain, surgery
- Locomotion: See also Movements
- locomotor capacity of larval Amblystoma following surgical procedures on embryonic brain; further quantitative studies, 877
- quantitative study in larval Amblystoma following either midbrain or forebrain excision, 361
- Longevity: See Life, duration; Old Age
- Lorain-Strümpell Disease: See Paralysis, spinal
- Louping Ill: See Encephalomyelitis
- Lumbago: See Backache
- Lumbosacral Region: See Backache; Spine
- Lungs: See also Respiration; Thorax; etc.
- abscess following electroconvulsive therapy, 673
- Luya Body: See Hypothalamus
- Lymphogranuloma, Hodgkin's: See Hodgkin's Disease
- Lymphoma, malignant involvement of nervous system by, 674
- McIntyre, H. D.: Guillain-Barré syndrome complicating antirabies inoculation, \*802
- MacIntyre, R. S.: Medulloblastoma of cerebellum, \*322
- Macrogenitosmia: See Puberty, precocious
- Malaria; psychotic reactions to ingestion of large doses of quinacrine [atabrine], 505
- Maltingering; observations on criminal patients during narcoanalysis, \*82
- Mania: See Insanity; Mental Diseases; etc.
- Martin, J.: Torulosis of brain, 679
- Medical Education: See Education
- Medical Societies: See Societies
- Medicine, Industrial: See Industry and Occupations
- Military: See Military Medicine
- Psychosomatic: See under Mind, body and mind
- Medin-Heine Disease: See Poliomyelitis
- Medulla Oblongata; late changes in brain stem following trigeminal tractotomy, \*493
- medulloblastoma; report of case with discussion of origin, \*653
- Medulloblastoma of cerebellum, \*322
- report of case with discussion of origin, \*653
- Melancholia: See Depression; Insanity
- Melanin, pigmentation; axial organization of neural crest, studied with particular reference to its pigmentary component, 114
- Memory: See also Amnesia
- quantitative visual index to memory impairment; preliminary report, \*794
- visual retention test performance in children; normative and clinical observation, \*610
- Meninges: See also Dura Mater
- diffuse primary meningeal sarcomatosis, 672
- Hemorrhage: See also Brain, hemorrhage
- hemorrhage; chronic pachymeningitis; report of case and review of literature, \*383
- subdural hemorrhage, cysts and false membranes, illustrating influence of the intrinsic factors in disease when development of body is normal, 504
- Meningitis as complication of paratyphoid infection, 880
- aseptic hemogenic; experimental study of aseptic meningeal reactions due to blood and its breakdown products, \*572
- gonococcal, treated with penicillin and sulfamezathine, 122
- Hemorrhagic: See Meninges, hemorrhage
- influence of chemotherapy on pathology of purulent leptomenigitis, \*73
- primary sarcomatous, 673
- serosa and radiculitis, 672
- treated intracranially with heparin and penicillin; report of case, 682

- Meningococci: See under Meningitis
- Mental Deficiency: See Idiocy
- Mental Diseases: See also Children; Dementia; Dementia Precocox; Insanity; Mental Hygiene; Neuroses and Psychoneuroses; Personality; Psychiatry; etc.
- brain wave frequencies and brain chemistry, 511
- changes in leukocytes of blood in man after electrically induced convulsions, \*624
- curare-controlled electrical convulsion therapy, 124
- extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618
- muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- observations on criminal patients during narcoanalysis, \*82
- selection of psychiatric cases for prefrontal lobotomy, 698
- significance of maternal bereavement before age of 8 in psychiatric patients, \*630
- threshold studies in electrical convulsions with use of square wave stimulator, 680
- trends of vocational achievement in mental disorder, 506
- Mental Hygiene: new director of research projects, National Institute of Mental Health, 380
- Mental Tests: See also Memory; Personality; Vocation
- intelligence of patients with Friedrich's ataxia, 252
- Merritt, H. H.: Arteriographic study of effect of drugs on intracranial vessels in patients with chronic headache; preliminary report, \*818
- Mesoderm and Mesodermal Tissues: posterior part of neural plate in Amblystoma; inductive effect of intact posterior part of chordamesodermal axis on competent prospective ectoderm, 874
- Metals: See Tantalum
- Metamorphosis: See Hallucinations
- Michelstein, I.: Fatal agranulocytosis due to trimethadione (tridione®), \*358
- Microglia: See Neuroglia
- Midbrain: See Brain
- Military Medicine: See also Hospitals; Neuroses and Psychoneuroses; etc.
- observations on "major" and "minor" causalgia, \*183, 695
- peacetime lessons from wartime psychiatry, 862
- Miller, E. R.: Arteriovenous fistula (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778
- Miller, J. M.: Muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- Mind, body and mind; psychosomatic aspects of management of surgical patients, 671
- Diseases: See Dementia Precocox; Insanity; Mental Diseases; etc.
- Monrad-Krohn, G. H.: "Clinical examination of nervous system" [correspondence re review of book], 663
- Morale: social dissatisfaction and personality disorder, 515
- Morris, A. A.: Effects of ultraviolet radiation on exposed brain, \*127
- Morrison, L. R.: Disseminated encephalomyelitis experimentally produced by use of homologous antigen, 688
- Mosquitoes: See Malaria
- Mothers: See Parents
- Movements: See also Locomotion; Muscles
- cerebral regulation of motor coordination in monkeys following multiple transection of sensorimotor cortex, 503
- Movements—Continued
- Disorders: See Chorea; Myoclonus; Paralysis; etc.
- Moving Pictures: reexamination of patient with visual agnosia 3 years after injury; cinematographic demonstration, 694
- revised edition of "Reviews of Medical Motion Pictures" now available, 380
- Murder: See Crime and Criminals
- Murray, F.: Sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696
- Muscles: acetylcholine and neuromuscular transmission, 503
- Atrophy: See Atrophy, muscular
- generality of role of acetylcholine in nerve and muscle conduction, 363
- Paralysis: See Paralysis
- temperature of skeletal muscle in cerebral hemiplegia and paralysis agitans, \*269
- topographic representation in motor cortex of monkeys, 364
- unusual innervation of intrinsic muscles of hand by median and ulnar nerve, 875
- value of early recognition and early therapy in cerebral palsy, 117
- Myasthenia, congenital, in siblings, \*745
- Myasthenia Gravis of bulbar type; successful treatment by unilateral denervation of carotid sinus, 124
- Mycosis: metastatic mycotic abscesses of brain, \*314
- Myelin: See Brain; Nerves; Nervous System; etc.
- Myelopathy: See Spinal Cord
- Myocardium: See Heart
- Myoclonus, palatal, and primary nystagmus following trauma; report of case, \*798
- Myogram: See Muscles
- Myopathy: See under Muscles
- Naffziger, H. C.: Chronic pachymeningitis; report of case and review of literature, \*383
- Narcoanalysis: See Anesthesia
- Narcolepsy: See Sleep
- Narcosis: See Anesthesia
- Narcotics: See under Anesthesia
- Nares: See Nose
- Nasal Sinuses: See Sinuses, Nasal
- Neoplasms: See Sarcoma
- Neostigmine: See Hemiplegia
- Nerves: See also Nervous System; Neuralgia; Neuritis; Paralysis
- Block: See Anesthesia
- acetylcholine and neuromuscular transmission, 503
- acoustic; atypical features of tumors, 880
- axial organization of neural crest, studied with particular reference to its pigmentary component, 114
- Carotid Sinus: See Carotid Sinus
- Cells: See Neurons
- facial, abnormal course in fallopian canal, 250
- herpes zoster of seventh, eighth, ninth and tenth cranial nerves, \*638
- experiments on mechanism of nerve growth, 876
- nervous system and regeneration of forelimb of adult Triturus: further study of importance of nerve number, including quantitative measurements of limb innervation, 362
- ophthalmic, disturbances of ethmoid branches of, 366
- Optic: See also Neuritis, optic
- optic; trophokinetic role of anterior portion of diencephalon; preliminary note, 667
- optic, unilateral syphilitic primary atrophy of, 506
- Paralysis: See Paralysis
- peripheral, and root disturbances following vaccination against smallpox; study of 5 cases, review of literature and discussion of related entities, \*421

## Nerves—Continued

- peripheral; observations on "major" and "minor" causalgia, \*183, 695
- peripheral, painful sequelae of injuries to, 508
- peripheral, tumors with reference to neurogenous sarcomas, 668
- posterior part of neural plate in Amblystoma; inductive effect of intact posterior part of chordamesodermal axis on competent prospective ectoderm, 874
- projection of dermatomes on substantia gelatinosa, \*734
- regeneration and degeneration experiments on lateral line nerves and sense organs in anurans, 115
- sacral innervation of human bladder, 686
- Sciatic: See Sciatica
- sensory; cerebral regulation of motor coordination in monkeys following multiple transection of sensorimotor cortex, 503
- synaptic conduction to giant fibers of cockroach and action of anticholinesterases, 363
- Trigeminal: See also Neuralgia, trigeminal
- trigeminal; late changes in brain stem following trigeminal tractotomy, \*493
- unusual innervation of intrinsic muscles of hand by median and ulnar nerve, 875
- vagus; psychiatric aspects of vagotomy; phantom ulcer pain, \*728
- Nervous System: See also Brain; Cerebellum; Nerves; Neurons; Spinal Cord; etc.
- and regeneration of forelimb of adult Triturus; further study of importance of nerve number, including quantitative measurements of limb innervation, 362
- Blocking: See Anesthesia
- brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412
- clinical examination of [correspondence re review of book], 663
- Diseases: See also Epilepsy; Mental Diseases; Neuritis; Neuroses and Psychoneuroses; etc.
- diseases, Walshe's Textbook on; critical comments, \*236
- generality of role of acetylcholine in nerve and muscle conduction, 363
- histologic pattern of metameric development in *Artemia salina*, 361
- involvement by malignant lymphoma, 674
- muscular atrophy and pseudoglia fantastica associated with islet cell adenoma of pancreas, \*304
- Surgery: See Brain, surgery
- Syphilis: See Neurosyphilis
- Nervousness: See Neuroses and Psychoneuroses
- Neuralgia, atypical, of face, 676
- causalgia following spinal concussion, 677
- observations on "major" and "minor" causalgia, \*183, 695
- painful sequelae of injuries to peripheral nerves, 508
- trigeminal, 20 years' experience in treatment, 689
- Neuritis, Lumbosacral: See Sciatica
- multiple; Guillain-Barré syndrome complicating antirabies inoculation, \*802
- optic, and sinusitis, 117
- peripheral nerve and root disturbances following vaccination against smallpox; study of 5 cases, review of literature and discussion of related entities, \*421
- Sciatic: See Sciatica
- unusual cause of irritative median neuritis in hand, 508
- Neurofibromatosis; von Recklinghausen's disease of nervous system; analysis of total pathologic picture, \*822
- Neuroglia; cerebral lesions responsible for death of patients with active rheumatic fever, \*48
- technic of cortical excision; experimental study of postoperative cicatrization, \*479
- Neurohypophysis: See Pituitary Body
- Neurology: See also Nerves; Nervous System; Neuroses and Psychoneuroses; etc.
- role of neurologist in medical program of Veterans Administration, 377
- Neuronitis: See Neuritis, multiple; Neurons
- Neurons; projection of dermatomes on substantia gelatinosa, \*734
- Neuropsychiatry: See Military Medicine; Neurology; Psychiatry; etc.
- Neuroses and Psychoneuroses: See also Mental Diseases; Nervous System, diseases; Phobias; etc.
- analysis of prefrontal lobe syndrome and its theoretic implications, \*1
- comparison of adjunct group therapy with individual psychotherapy, \*173
- onset of psychosis in hypertension, \*472
- peacetime lessons from wartime psychiatry, 862
- phobic syndrome; study of 86 patients with phobic reactions, \*162
- psychotic reactions to ingestion of large doses of quinaquine [atabrine®], 505
- significance of maternal bereavement before age of 8 in psychiatric patients, \*630
- Neurosurgery: See under Brain; Spinal Cord; etc.
- Neurosyphilis: See also Nerves, optic
- penicillin in treatment; spinal fluid changes in cases of symptomatic neurosyphilis, 883
- penicillin therapy alone; analysis of clinical results, 508
- treatment of syphilis of central nervous system with penicillin, 118
- treatment with penicillin, 121
- Neutrophils: See Leukocytes
- Nissl Granules: See Neurons
- Nomenclature; aseptic hemogenic meningitis; experimental study of aseptic meningeal reactions due to blood and its breakdown products, \*572
- Nose, Accessory Sinuses: See Sinuses, nasal
- discharge; spontaneous cerebrospinal rhinorrhea; successful surgical treatment, 884
- diseases; disturbances of ethmoid branches of ophthalmic nerve, 366
- intranasal (sphenopharyngeal) encephalocele, 116
- Nucleus Amygdalae: See under Brain
- Dentatus: See under Cerebellum
- Lateralis Medullae: See Medulla Oblongata
- Pulposus: See Spine, intervertebral disks
- Supraopticus: See Hypothalamus
- Nystagmus: See also Cerebellum; Ear, internal; Equilibrium
- palatal myoclonus and primary nystagmus following trauma; report of case, \*798
- Obesity: See also under Pituitary Body
- periodic paralysis associated with obesity of hypothalamic origin; observations in case with changes in electrocardiogram and serum potassium level, \*105
- Obsessions: See Dementia Precox; Neuroses and Psychoneuroses
- Occipital Bone; platybasia, 254
- Occipital Lobe: See Brain
- Occupations: See Industry and Occupations
- Odontoid Process: See Atlas and Axis
- Oil; irritating effect of iodized vegetable oils on brain and spinal cord, 523
- Old Age: See also Life, duration
- epilepsy in, 117

- O'Leary, J. L.: Focal disorder of brain activity as it relates to character of convulsive seizures; electroencephalogram in focal seizures, \*590
- Oligodendroglia: See Neuroglia
- Oligophrenia: See Idiotcy
- Olivary Body: See Medulla Oblongata
- Oller, C. I.: Vascular abnormalities and tumors of spinal cord, 373
- Optic Disk: See Nerves, optic
- Choked: See Neuritis, optic
- Optic Pathway: See also Brain; Nerves, optic; Thalamus
- trophokinetic role of anterior portion of diencephalon; preliminary note, 667
- Optic Thalamus: See Thalamus
- Orbit: frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701
- Owens, F. M., Jr.: Observations on "major" and "minor" causalgia, \*183, 695
- Oxazolinediones; fatal agranulocytosis due to trimethadione (Iridione®), \*358
- Pachymeningitis:** See Dura Mater; Meninges, hemorrhage
- Padberg, F.: Torulosis of brain, 679
- Padgett, F.: Muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304
- Pain:** See also Sensation
- causation and treatment of painful stiff shoulder; subdeltoid bursitis, periartthritis, tendinitis and adhesive capsulitis, 676
- painful sequelae of injuries to peripheral nerves, 508
- psychiatric aspects of vagotomy; phantom ulcer pain, \*728
- suprascapular nerve block in therapy of shoulder pain, 119
- Palate:** palatal myoclonus and primary nystagmus following trauma; report of case, \*798
- Palillalia: See Speech
- Palsy: See Paralysis
- Pancreas, muscular atrophy and pseudologia fantastica associated with islet cell adenoma of, \*304
- Pansinusitis: See Sinuses, Nasal
- Papilledema: See Neuritis, optic
- Paralysis:** See also Extremities, paralysis; Hemiplegia; Larynx, paralysis; Polio-myelitis
- agitans, combined lateral and ventral pyram-  
idotomy in treatment of, \*27
- agitans; temperature of skeletal muscle in cerebral hemiplegia and paralysis agitans, \*269
- Bell's: See Paralysis, facial
- cerebral, clinical significance of electro-  
encephalography in cases of, 682
- cerebral, value of early recognition and early  
therapy in, 117
- Erb's: See Paralysis, spinal
- facial, plastic surgical repair of, 120
- infantile: See Poliomyelitis
- Laryngeal: See Larynx, paralysis
- Periodic: See Extremities, paralysis
- spastic; curare in spastic paraplegia, 251
- spinal; electroencephalographic studies in  
spinal cord disease, \*293
- spinal; subarachnoid alcohol block in para-  
plegics, 253
- spinal; treatment and prognosis of trau-  
matic paraplegia, 122
- Paranoia:** See Dementia Precox; Insanity
- Paraphasia: See Aphasia
- Paraplegia: See Extremities, paralysis;  
Paralysis, spinal
- Paratyphoid infection, meningitis as complica-  
tion of, 883
- Parents; significance of maternal bereavement  
before age of 8 in psychiatric patients, \*630
- Parietal Lobe: See Brain
- Parkinsonism: See also Paralysis, agitans
- prognosis in Japanese B encephalitis, \*759
- Peck, R. E.: Comparison of adjunct group  
therapy with individual psychotherapy, \*175
- Penicillin: Influence of chemotherapy on  
pathology of purulent leptomeningitis, \*73
- Therapy: See Cranium; Meningitis; Neuro-  
syphilis; etc.
- Penis; phallic women, 671
- Pennes, H. H.: Temperature of skeletal muscle  
in cerebral hemiplegia and paralysis agi-  
tans, \*269
- Peptic Ulcer; psychiatric aspects of vagotomy;  
phantom ulcer pain, \*728
- Perception: See also Sensation; etc.
- allesthesia and disturbance of body scheme,  
\*222
- extinction phenomenon in hemiplegia, \*717
- Periarthritis: causation and treatment of pain-  
ful stiff shoulder; subdeltoid bursitis,  
periartthritis, tendinitis and adhesive cap-  
sulitis, 676
- Periodicals, publication of Archivos de histo-  
logia normal y patológica, 380
- Perlstein, M. A.: Clinical significance of electro-  
encephalography in cases of cerebral  
paralysis, 682
- Personality; anxiety; its initiation, communi-  
cation and interpersonal management,  
\*527
- disorder, and social dissatisfaction, 515
- psychopathic, implications of electroenceph-  
alographic abnormalities in, 870
- Perspiration: See Sweat
- Peyton, W. T.: Prefrontal lobectomy in  
schizophrenia, \*560
- Phallus: See Penis
- Phantom Pain: See Peptic Ulcer
- Phobias: See also Neuroses and Psycho-  
neuroses
- analytic group treatment of phobic patient,  
669
- phobic syndrome; study of 86 patients with  
phobic reactions, \*162
- Phonation: See Speech
- Pick's Disease: See Brain, atrophy
- Pigmentation: See Melanin
- Pineal Gland; chemical histology and cytology  
of pineal body and neurohypophysis, 874
- Pituitary Body: See also Hypothalamus
- basophilism treated unsuccessfully with  
massive doses of estrogens and deep x-ray  
therapy, but cured by radon seeds inserted  
into sella turcica, 122
- chemical histology and cytology of pineal  
body and neurohypophysis, 874
- Hodgkin's disease involving pituitary gland  
with diabetes insipidus, 116
- mental symptoms in association with hypo-  
physiophthalamic lesions, 882
- Plasma: See Blood
- Plasmodium Vivax: See Malaria
- Plastic Surgery repair of facial paralysis, 120
- Platybasia: See Atlas and Axis; Occipital  
Bone
- Pneumatic Drill: See Industry and Occu-  
pations
- Poisons and Poisoning: See under names of  
various substances
- Polioencephalitis: See Encephalitis
- Poliomyelitis, acute anterior, complicating  
pregnancy, 366
- and tonsillectomy, 253
- effect of exertion during preparalytic stage,  
677
- involvement of eyes in, 507
- patterns of increased electrical skin resist-  
ance in acute human poliomyelitis, \*766
- Polynucleitis: See Neuritis, multiple
- Polyradiculoneuritis: See Guillain-Barré  
Syndrome
- Polyuria: See Diabetes Insipidus
- Pons Varoli; late changes in brain stem fol-  
lowing trigeminal tractotomy, \*493
- Port Wine Birthmark: See Angioma
- Position: See Posture
- Postgraduate Education: See Education
- Posture; analysis of postural behavior, 670

- Potassium: exchanges of sodium and potassium in familial periodic paralysis, 666  
use in protracted insulin coma; preliminary report, \*280
- Pregnancy complicated by acute anterior poliomyelitis, 366
- Prestwood, A. R.: Anxiety; its initiation, communication and interpersonal management, \*527
- Pringle's Disease: See Sclerosis, tuberos
- Prisons and Prisoners: See Crime and Criminals
- Procaïne: See Anesthesia
- Prostigmine: See Hemiplegia
- Pseudologia Fantastica: See Mental Diseases
- Psychiatry: See also Crime and Criminals; Insanity; Mental Diseases; Psychoanalysis; Psychology; Psychotherapy; etc.  
course in child psychiatry, Center for Continuation Study, 665  
grant for training, Walter E. Fernald State School, 380  
psychiatric aspects of vagotomy; phantom ulcer pain, \*728  
wartime, peacetime lessons from, 862
- Psychoanalysis: See also Psychotherapy  
analysis of postural behavior, 670  
analytic group treatment of phobic patient, 669  
Jew as symbol, 879  
Ilion hunter's dreams, 879  
phallic women, 671  
psychoanalytic study of ulcerative colitis in children, 365  
use of language in dreams in analysis of aphasic deficits, \*725
- Psychobiology: See Mind, body and mind
- Psychodiagnostics: See Mental Tests
- Psychology: See also Memory; Mental Tests; Personality; etc.  
possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287
- Psychoneuroses: See Neuroses and Psychoneuroses
- Psychoses: See Insanity; Mental Diseases; Neuroses and Psychoneuroses; etc.
- Psychosomatic Medicine: See Mind, body and mind
- Psychosurgery: See Brain, surgery
- Psychotherapy: See also Psychoanalysis  
constant elements in, 878  
individual, comparison of adjunct group therapy with, \*173  
observations on criminal patients during narcoanalysis, \*82  
phobic syndrome; study of 86 patients with phobic reactions, \*162  
various uses of recorded interview in, 868
- Puberty: See also Adolescence  
precocious, with hypothalamic tumor (infundibuloma), 364
- Pyramidal Tract: combined lateral and ventral pyramidotomy in treatment of paralysis agitans, \*27
- Pyrexia: See Fever
- Quinacrine: See Acridine Dyes
- Rabies: Guillain-Barré syndrome complicating antirabies inoculation, \*802
- Radiculitis: See Guillain-Barré Syndrome
- Radon: See Pituitary Body
- von Recklinghausen's Disease: See Neurofibromatosis
- Records: various uses of recorded interview in psychotherapy, 868
- Recruits: See Military Medicine
- Rehabilitation: See Military Medicine; Neuroses and Psychoneuroses; Old Age; etc.
- Reproduction: See Pregnancy
- Research: new director of research projects, National Institute of Mental Health, 380
- Respiration: frontal lobotomy and electrical stimulation of orbital surface of frontal lobes; effect on respiration and on blood pressure in man, \*701  
hyperpnea; hyperventilation syndrome, 252
- Restiform Body: See Medulla Oblongata
- Retina, Inflammation: See Retinitis
- Retinitis pigmentosa and schizophrenia, 671
- Rheumatic Fever, active, cerebral lesions responsible for death of patients with, \*48
- Rheumatism: See Arthritis; Rheumatic Fever
- Rhinorrhea: See Nose, discharge
- Roentgen Rays, Therapy: See under names of organs, regions and diseases, as Pituitary Body; etc.
- Rowbotham, G. F.: Late changes in brain stem following trigeminal tractotomy, \*493
- Ruesch, J.: Anxiety; its initiation, communication and interpersonal management, \*527
- Ryan, J. J.: Aneurysm of internal carotid artery with normal arteriogram; report of 2 cases, 520
- Sacrum: thoracic, lumbar and sacral spinal cordectomy, 666
- Salomon, K.: Plasma calcium fractions after electric convulsion treatment, \*99
- Sanatoriums: See Hospitals
- Sarcoma; diffuse primary meningeal sarcomatosis, 672  
primary sarcomatous meningitis, 673  
tumors of peripheral nerves, with reference to neurogenous sarcomas, 668
- Scarff, J. E.: Selection of psychiatric cases for prefrontal lobotomy, 693
- Schappell, A. W.: Extinction phenomenon in hemiplegia, \*717
- Scheuerman, W. G.: Membranous obstruction of aqueduct of Sylvius (internal hydrocephalus) producing syndrome of midline cerebellar tumor, 519
- Schiele, E. C.: Prefrontal lobectomy in schizophrenia, \*560
- Schizophrenia: See Dementia Precox
- Schools: grant for training in psychiatry, Walter E. Fernald State School, 380
- Schwab, R. S.: Applications and limitations of electroencephalography in general hospital, 510  
Cerebral fat embolism; report of case with recovery, \*355
- Sciarra, D.: Longevity in multiple sclerosis, \*784
- Sciatica: cause and mechanism of symptom-production in sciatica and low-back pain, 678
- Sclerosis, amyotrophic lateral, role of repeated trauma by pneumatic drill in production of, \*178  
multiple, longevity in, \*784  
tuberos; Bournville's disease with cerebral calcifications; report of case, 881
- Secretions, Internal: See Endocrine Glands
- Sella Turcica: See Pituitary Body
- Semicircular Canals: See Ear, internal
- Seminoma, metastatic, of brain, 881
- Semon's Law: See Larynx, paralysis
- Senile Plaque: See Sclerosis
- Senility: See Old Age
- Sensation: See also Nerves, sensory; Pain; etc.  
cerebral regulation of motor coordination in monkeys following multiple transection of sensorimotor cortex, 503  
extinction phenomenon in hemiplegia, \*717  
ipsilateral sensory loss following cordotomy, 251  
projection of dermatomes on substantia gelatinosa, \*734  
syndrome of sensorimotor induction in disturbed equilibrium, \*330
- Septum, Nasal: See Nose
- Pellucidum: See under Brain
- Serum: See Blood
- Sex, Precocious Development: See Puberty, precocious
- Shock, Electric: See Dementia Precox; Electrotherapy; Epilepsy; Insanity; Mental Diseases; etc.
- Emotional: See Emotions
- Shapiro, M. F.: Allosthesia and disturbance of body scheme, \*222
- Extinction phenomenon in hemiplegia, \*717
- Shenkin, H. A.: Physiologic studies on arteriovenous anomalies of brain, 371



## Shenkin, H. A.—Continued

Vascular abnormalities and tumors of spinal cord, 373

Shingles: See Herpes zoster

Shoulder: causation and treatment of painful stiff shoulder; subdeltoid bursitis, periarthritis, tendinitis and adhesive capsulitis, 676

suprascapular nerve block in therapy of shoulder pain, 119

Silver: reactions of cerebral tissue to silver, tantalum and zirconium, 251

Silverman, D.: Implications of electroencephalographic abnormalities in psychopathic personality, 870

Sinus, Carotid: See Carotid Sinus

Thrombosis: See Thrombosis

Sinuses, Nasal: optic neuritis and sinusitis, 117

Skin: See also Sensation

patterns of increased electrical skin resistance in acute human poliomyelitis, \*760  
projection of dermatomes on substantia gelatinosa, \*734

Skull: See Cranium

Sleep: brain wave patterns during hypnosis, hypnotic sleep and normal sleep, \*412  
electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*150

Sleeping Sickness: See Encephalitis

Smallpox: Guillain-Barré syndrome following vaccination against smallpox; report of case, 678

peripheral nerve and root disturbances following vaccination against smallpox; study of 5 cases, review of literature and discussion of related entities, \*421

Smith, A. G.: Medulloblastoma; report of case with discussion of origin, \*653

Social Hygiene: social dissatisfaction and personality disorder, 515

Societies: International Congress of Psychiatry, 381

Neurosurgical Society of America, 381

Third South American Congress of Neurosurgery, 113

## SOCIETY TRANSACTIONS:

Boston Society of Psychiatry and Neurology, 510, 688, 862

Chicago Neurological Society, 679

New York Neurological Society, 694

New York Neurological Society and New York Academy of Medicine, Section of Neurology and Psychiatry, 696

Philadelphia Neurological Society, 519

Philadelphia Neurological Society, Section of Neurology and Psychiatry of District of Columbia Medical Society and Neuropsychiatric Section of Baltimore County Medical Society, 368

Philadelphia Psychiatric Society, 868

Sodium chloride: changes in spinal fluid pressure under influence of continuous subarachnoidal infusion of normal saline, 875

Diphenylhydantoinate (Epanutin®): See Epilepsy

exchanges of sodium and potassium in familial periodic paralysis, 666

Sokoloff, L.: Sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696

Soldiers: See Military Medicine; Neuroses and Psychoneuroses; etc.

Somnolence: See Sleep

Spasm: See Chorea; Convulsions; Epilepsy; etc.

Speech: dementia with pallialia in adolescent; cortical and subcortical lesions due to diffuse cerebral endarteritis, 504

Spinal Cord: See also Meninges; Nervous System; Pyramidal Tract; etc.

acetylcholine and synaptic transmission in, 503

causalgia following spinal concussion, 677

compression caused by Hodgkin's disease, 676

## Spinal Cord—Continued

disease, electroencephalographic studies in, \*293

Inflammation: See Myelitis

injuries: treatment and prognosis of traumatic paraplegia, 122

irritating effect of iodized vegetable oils on brain and spinal cord, 523

late changes in brain stem following trigeminal tractotomy, \*493

projection of dermatomes on substantia gelatinosa, \*734

spinal subarachnoid implantation associated with ependymoma, \*847

surgery: ipsilateral sensory loss following cordotomy, 251

Syphilis: See Neurosyphilis

thoracic, lumbar and sacral spinal cordectomy, 666

vascular abnormalities and tumors of, 373

Spinal Fluid: See Cerebrospinal Fluid

Spinal Puncture: See Cerebrospinal Fluid

Spine: See also Atlas and Axis; Sacrum

Intervertebral disks; mechanism of origin of Lasègue's sign, 667

Spitz, E. B.: Physiologic studies on arteriovenous anomalies of brain, 371

Sprang, H. E.: Possible psychologic complication and contraindication to electric shock therapy modified with curare; report of case, \*287

Stark, W.: Use of potassium in protracted insulin coma; preliminary report, \*280

Status Epilepticus: See under Epilepsy

Stearns, E.: Electroencephalographic studies in spinal cord disease, \*293

Stedem, A. F. A.: Muscular atrophy and pseudologia fantastica associated with islet cell adenoma of pancreas, \*304

Steelman, H. F.: Technique of cortical excision; experimental study of postoperative cicatrization, \*479

Stern, W. E.: Chronic pachymeningitis; report of case and review of literature, \*383

Stevenson, L. D.: Sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696

Stomach, Ulcers: See Peptic Ulcer

Streptomycin: influence of chemotherapy on pathology of purulent leptomeningitis, \*73

Strümpell's Disease: See Paralysis, spinal

Subarachnoid Space: See Meninges

Subdural Spaces: See Meninges

Sublimation: See Psychoanalysis

Submissiveness: See Psychoanalysis

Substantia Gelatinosa: See Spinal Cord

Subthalamus: See Hypothalamus

Sugar, O.: Aneurysm of terminal portion of anterior cerebral artery, 680

Sugars: See Dextrose

in Blood: See Blood sugar

Suggestion, Therapeutic: See Psychotherapy

Sulfamezathine: See Meningitis

Supra-Optic Commissure: See Nerves, optic

Surgery: See also Apparatus; and under names of organs and regions, as Brain; Nervous System; Spinal Cord; etc.

Plastic: See Plastic Surgery

psychosomatic aspects of management of surgical patients, 671

Sylvén, H. J.: Spinal subarachnoid implantation associated with ependymoma, \*847

Sweat: patterns of increased electrical skin resistance in acute human poliomyelitis, \*766

Sylvius, Aqueduct of: See Aqueduct of Sylvius

Sympathicoblastoma with metastases, associated with clinical picture of Cushing's syndrome; report of case, 696

Syncope and seizures, 365

Syphilis: See also Neurosyphilis; and under names of organs and regions

unilateral syphilitic primary atrophy of optic nerves, 506

Szasz, T. S.: Psychiatric aspects of vagotomy; phantom ulcer pain, \*728

Szentágothai, J.: Projection of dermatomes on substantia gelatinosa, \*734



- Tantalum**; reactions of cerebral tissue to silver, tantalum and zirconium, 251
- Tarkington, J.**: Meningitis treated intracranially with heparin and penicillin; report of case, 682
- Teitelbaum, H. A.**: Neostigmine methylsulfate therapy in hemiplegia, \*93
- Temperature** of skeletal muscle in cerebral hemiplegia and paralysis agitans, \*269
- Tendons**; causation and treatment of painful stiff shoulder; subdeltoid bursitis, periarthritis, tendinitis and adhesive capsulitis, 676
- Terhune, W. B.**: Phobic syndrome; study of 86 patients with phobic reactions, \*162
- Terminology**: See Nomenclature
- Testes**; metastatic seminoma of brain, 881
- Teuber, H.-L.**: Allosthesia and disturbance of body scheme, \*222
- Thalamus**; electroencephalographic changes after prefrontal lobotomy, with particular reference to effect of lobotomy on sleep spindles, \*159
- Thiazoles**; anticonvulsant activities of certain thiazolidones and hydantoins as determined by electric shock procedures in cats, rats and mice, \*857
- Thorax**: See also Heart; Lungs; etc.
- thoracic, lumbar and sacral spinal cordectomy, 666
- Thrombosis**: See also Embolism of intracranial veins, 882
- recurrent hypertensive cerebral thrombosis; clinicopathologic analysis of 6 cases with discussion of pathogenesis, \*445
- Tic Douloureux**: See Neuralgia, trigeminal
- Tillotson, K. J.**: Changes in leukocytes of blood in man after electrically induced convulsions, \*624
- Extracellular fluid and plasma volumes in depressed patients given electric shock therapy, \*618
- Tinnitus aurium**; some considerations concerning its origin and treatment, 367
- Tinsley, M.**: Aneurysm of terminal portion of anterior cerebral artery, 680
- Tissue**: See Cells
- Tonsillectomy** and poliomyelitis, 253
- Torcular Herophilii**: See Dura Mater
- Torticollis**, spasmodic; successful surgical treatment, 524
- Torulosis** of brain, 679
- Toxoplasmosis**, 880
- Tractotomy**: See Medulla Oblongata
- Tractus Solitarius**: See Medulla Oblongata
- Transference**: See Psychoanalysis
- Transplantation**: See Nerves
- Trauma**: See also under Brain; Spinal Cord; etc.
- palatal myoclonus and primary nystagmus following; report of case, \*798
- role of repeated trauma by pneumatic drill in production of amyotrophic lateral sclerosis, \*178
- Tremor**: See Paralysis agitans; Parkinsonism
- Tridione®**: See Oxazolindinediones
- Trimethadione**: See Oxazolindinediones
- Triplegia**: See Paralysis, spinal
- Tuber Cinereum**: See Hypothalamus
- Tuberculosis**: See under names of organs, regions and diseases
- Tuberculum Sellae**: See Hypothalamus
- Tumors**: See Adenoma; Angioma; Astrocytoma; Ependymoma; Glioblastoma; Lymphoma; Sarcoma; and under names of organs and regions, as Brain; Cerebellum; etc.
- Ulcers, Peptic**: See Peptic Ulcer
- Ultraviolet Rays**; effects of ultraviolet radiation on exposed brain, \*127
- Unconscious**: See Psychoanalysis
- Vaccination**: See Smallpox
- Vagotomy**: See Nerves, vagus
- Varicella**: See Smallpox
- Vasomotor System**: See also Arteries; Capillaries; Nervous System; Veins; etc.
- role of repeated trauma by pneumatic drill in production of amyotrophic lateral sclerosis, \*178
- tinnitus aurium**; some considerations concerning its origin and treatment, 367
- Vegetable Oils**: See Oils
- Veins**: See also Embolism; Thrombosis; Vasomotor System; etc.
- arteriovenous fistula (aneurysm) of great cerebral vein (of Galen) and circle of Willis; report on 2 patients treated by ligation, \*778
- cerebral hemorrhage following repair of common carotid-internal jugular arteriovenous fistula, 674
- Pressure in**: See Blood pressure
- General Diseases**: See Neurosyphilis; Syphilis; etc.
- Vestibular Apparatus**: See Ear, internal; Equilibrium
- Nuclei**: See Medulla Oblongata
- Vertebrae**: See Atlas and Axis; Spine
- Veterans Administration**, role of neurologist in medical program of, 377
- Viruses**: See Herpes; Poliomyelitis; etc.
- Vision**; quantitative visual index to memory impairment; preliminary report, \*794
- reexamination of patient with visual agnosia 3 years after injury; cinematographic demonstration, 694
- studies on occipital lobe; significance of small areas of preserved central vision, \*204
- Vision, visual retention test performance in children**; normative and clinical observations, \*610
- Vocal Cords, Paralysis**: See Larynx, paralysis
- Vocation**; trends of vocational achievement in mental disorder, 596
- Vyner, H. L.**: Neostigmine methylsulfate therapy in hemiplegia, \*93
- Walsh's Textbook on Diseases of Nervous System**; critical comments, \*236
- Walter, W. G.**: Clinical application of automatic analysis of electroencephalogram, 513
- War**: See Military Medicine; etc.
- Wartenberg, R.**: "Clinical examination of nervous system" (correspondence review of book), 663
- Walsh's Textbook on Diseases of Nervous System**; critical comments, \*236
- Welser, N. J.**: Fatal agranulocytosis due to trimethadione (tridione®), \*358
- Wells, W. L.**: Observations on "major" and "minor" causalgia, \*183, 695
- Whitehorn, J. C.**: Social dissatisfaction and personality disorder, 515
- Willis, Circle of**: See Brain
- Willner, H. H.**: Blood chemistry of schizophrenic patients before, during and after insulin shock therapy; preliminary studies, \*809
- Winkelman, N. W., Jr.**: Peripheral nerve and root disturbances following vaccination against smallpox; study of 5 cases, review of literature and discussion of related entities, \*421
- Pick's disease**; general survey and report of case with chronic chorea, 375
- Wohlfart, G.**: Herpes zoster of seventh, eighth, ninth and tenth cranial nerves, \*638
- Word Blindness**: See Aphasia
- Wry-Neck**: See Torticollis
- Wycls, H.**: Spasmodic torticollis; successful surgical treatment, 524
- Yaskin, J. C.**: Vascular abnormalities and tumors of spinal cord, 373
- Zirconium**; reactions of cerebral tissue to silver, tantalum and zirconium, 251
- Zona**: See Herpes zoster



NE

LOU  
STAN  
JOHN

# ARCHIVES OF NEUROLOGY AND PSYCHIATRY

## EDITORIAL BOARD

TRACY J. PUTNAM, Chief Editor

416 North Bedford Drive, Beverly Hills, California

LOUIS CASAMAJOR, New York

CHARLES D. ARING, Cincinnati

STANLEY COBB, Boston

ADOLF MEYER, Baltimore

JOHN WHITEHORN, Baltimore

BERNARD J. ALPERS, Philadelphia

PERCIVAL BAILEY, Chicago

WILDER PENFIELD, Contributing Member, Montreal

VOLUME 62  
1949

PUBLISHERS  
AMERICAN MEDICAL ASSOCIATION  
CHICAGO 10, ILL.

610.5  
A671  
N51  
P8



576

# CONTENTS OF VOLUME 62

JULY 1949. NUMBER 1

	PAGE
Analysis of a Prefrontal Lobe Syndrome and Its Theoretic Implications. Theodore Lidz, M.D., Baltimore.....	1
Combined Lateral and Ventral Pyramidotomy in Treatment of Paralysis Agitans. Judah Ebin, M.D., D.M.Sc., New York.....	27
Cerebral Lesions Responsible for Death of Patients with Active Rheumatic Fever. I. Costero, M.D., México, D. F., Mexico.....	48
Influence of Chemotherapy on the Pathology of Purulent Leptomeningitis. W. Stewart Alexander, M.B. (New Zealand), Toronto, Canada.....	73
Observations on Criminal Patients During Narcoanalysis. Carl P. Adatto, M.D., New Orleans.....	82
Neostigmine Methylsulfate Therapy in Hemiplegia. Harry A. Teitelbaum, M.D., Ph.D., and Harold L. Vyner, M.D., Baltimore.....	93
Plasma Calcium Fractions After Electric Convulsion Treatment. Kurt Salo- mon, M.D., Ph.D., and Beverly Wescott Gabrio, B.A., St. Louis.....	99
Case Reports:	
Periodic Paralysis Associated with Obesity of Hypothalamic Origin: Observations in a Case with Changes in the Electrocardiogram and the Serum Potassium Level. Chaskiel Grossman, M.D., Jerusalem....	105
News and Comment.....	113
Abstracts from Current Literature.....	114
Book Reviews.....	125

AUGUST 1949. NUMBER 2

Effects of Ultraviolet Radiation on the Exposed Brain. Arthur R. Elvidge, M.D., Montreal, Canada, and Arthur A. Morris, M.D., Washington, D. C.	127
Electroencephalographic Changes After Prefrontal Lobotomy, with Particu- lar Reference to the Effect of Lobotomy on Sleep Spindles. Margaret A. Lennox, M.D., and John Coolidge, M.D., New Haven, Conn.....	150
The Phobic Syndrome: A Study of Eighty-Six Patients with Phobic Reactions. William B. Terhune, M.D., New Canaan, Conn.....	162
Comparison of Adjunct Group Therapy with Individual Psychotherapy. Robert E. Peck, M.D., Atlanta, Ga.....	173
Role of Repeated Trauma by Pneumatic Drill in Production of Amyotrophic Lateral Sclerosis. Bernard J. Alpers, M.D., and R. A. Farmer, M.D., Philadelphia .....	178
Observations on "Major" and "Minor" Causalgia. Francis Echlin, M.D.; Frederick M. Owens Jr., M.D., and Warner L. Wells, M.D., Montreal, Canada .....	183
Studies on the Occipital Lobe: I. Significance of Small Areas of Preserved Central Vision. George M. Austin Jr., M.D.; Frederick H. Lewey, M.D., and Francis C. Grant, M.D., Philadelphia.....	204
Allesthesia and Disturbance of the Body Scheme. Morris B. Bender, M.D.; Mortimer F. Shapiro, M.D., and Hans-Lukas Teuber, Ph.D., New York..	222
Walshe's Textbook on Diseases of the Nervous System: Critical Comments. Robert Wartenberg, M.D., San Francisco.....	236
Abstracts from Current Literature.....	250

## SEPTEMBER 1949. NUMBER 3

	PAGE
Electroencephalography in Differential Diagnosis of Supratentorial Tumors. John Kershman, M.D.; A. Conde, M.D., and William C. Gibson, M.D., Montreal, Canada .....	255
Temperature of Skeletal Muscle in Cerebral Hemiplegia and Paralysis Agitans. Harry H. Pennes, M.D., New York.....	269
Use of Potassium in Protracted Insulin Coma: Preliminary Report. William Stark, M.D., Washington, D. C., and S. Eugene Barrera, M.D., Albany, N. Y.....	280
A Possible Psychologic Complication and Contraindication to Electric Shock Therapy Modified with Curare: Report of a Case. Henry D. Lederer, M.D., and Harry E. Sprang, M.D., Cincinnati.....	287
Electroencephalographic Studies in Spinal Cord Disease. Lawrence I. Kaplan, M.D., and Esther Stearns, New York.....	293
Muscular Atrophy and Pseudologia Fantastica Associated with Islet Cell Adenoma of the Pancreas. Theodore Lidz, M.D., Baltimore; Joseph M. Miller, M.D., and Paul Padget, M.D., Fort Howard, Md., and Lieutenant Anthony F. A. Stedem, M.C., A.U.S., Perry Point, Md.....	304
Metastatic Mycotic Abscesses of the Brain. Winchell McK. Craig, M.D., and Edward M. Gates, M.D., Rochester, Minn.....	314
Medulloblastoma of the Cerebellum. Isadore Lampe, M.D., and Robert S. MacIntyre, M.D., Ann Arbor, Mich.....	322
The Syndrome of Sensorimotor Induction in Disturbed Equilibrium. L. Halpern, M.D., Jerusalem.....	330
Case Reports:	
Cerebral Fat Embolism: Report of a Case with Recovery. George C. Bourne, M.D., and Robert S. Schwab, M.D., Hyannis, Mass.....	355
Fatal Agranulocytosis Due to Trimethadione (Tridione®). Israel Michelstein, M.D., and Nelson J. Weiser, M.D., New York.....	358
Abstracts from Current Literature.....	361
Society Transactions:	
Philadelphia Neurological Society; Section of Neurology and Psychiatry of the District of Columbia Medical Society, and the Neuropsychiatric Section of the Baltimore County Medical Society.....	368
News and Comment.....	380

## OCTOBER 1949. NUMBER 4

Chronic Pachymeningitis: Report of a Case and Review of the Literature. Howard C. Naffziger, M.D., and W. Eugene Stern, M.D., San Francisco..	383
Brain Wave Patterns During Hypnosis, Hypnotic Sleep and Normal Sleep. Wayne Barker, M.D., and Susan Burgwin, B.A., New York.....	412
Peripheral Nerve and Root Disturbances Following Vaccination Against Smallpox: Study of Five Cases, Review of the Literature and Discussion of Related Entities. N. William Winkelman Jr., M.D., Philadelphia....	421
Multiple Metastatic Abscesses of the Brain. Leonard T. Furlow, M.D., St. Louis .....	439
Recurrent Hypertensive Cerebral Thrombosis: Clinicopathologic Analysis of Six Cases with Discussion of Pathogenesis. Louis Goodman, M.D., Pittsburgh .....	445
Technic of Cortical Excision: An Experimental Study of Postoperative Cicatrization. Harry F. Steelman, M.D., Madison, Wis.....	479



# CONTENTS OF VOLUME 62

v

## OCTOBER—Continued

	PAGE
Late Changes in the Brain Stem Following Trigeminal Tractotomy. C. A. Erskine, Ph.D., M.R.C.P.I., Dublin, Eire, and G. F. Rowbotham, B.Sc., F.R.C.S., Newcastle upon Tyne, England.....	493
Abstracts from Current Literature.....	503
Society Transactions:	
Boston Society of Psychiatry and Neurology.....	510
Philadelphia Neurological Society.....	519

## NOVEMBER 1949. NUMBER 5

Anxiety: Its Initiation, Communication and Interpersonal Management. Jurgen Ruesch, M.D., and A. Rodney Prestwood, M.D., San Francisco...	527
"The Borderland of Epilepsy": A Reconsideration. John Kershman, M.D., Montreal, Canada .....	551
Prefrontal Lobectomy in Schizophrenia. William T. Peyton, M.D.; John E. Haavik, M.D., and Burtrum C. Schiele, M.D., Minneapolis.....	560
Aseptic Hemogenic Meningitis: An Experimental Study of Aseptic Meningeal Reactions Due to Blood and Its Breakdown Products. Ira J. Jackson, M.D., M.Sc., Montreal, Canada.....	572
Focal Disorder of Brain Activity As It Relates to the Character of Convulsive Seizures: Electroencephalogram in Focal Seizures. James L. O'Leary, M.D., and William S. Fields, M.D., St. Louis.....	590
Visual Retention Test Performance in Children: Normative and Clinical Observations. Arthur L. Benton, Ph.D., Iowa City, and Nancy T. Collins, M.A., Louisville, Ky.....	610
Extracellular Fluid and Plasma Volumes in Depressed Patients Given Electric Shock Therapy. M. D. Altschule, M.D.; I. Ascoli, A.B., and K. J. Tillotson, M.D., Waverley, Mass.....	618
Changes in Leukocytes of the Blood in Man After Electrically Induced Convulsions. M. D. Altschule, M.D.; L. H. Altschule, M.D., and K. J. Tillotson, M.D., Waverley, Mass.....	624
Significance of Maternal Bereavement Before Age of Eight in Psychiatric Patients. Herbert Barry Jr., M.D., Ph.D., Boston.....	630
Herpes Zoster of the Seventh, Eighth, Ninth and Tenth Cranial Nerves. Hans Engström, M.D., and Gunnar Wohlfart, M.D., Stockholm, Sweden.....	638
Medulloblastoma: Report of a Case with Discussion of Origin. Albert G. Smith, M.D., Little Rock, Ark.....	653
Correspondence:	
"Clinical Examination of the Nervous System." G. H. Monrad-Krohn, M.D., F.R.C.P., Oslo, Norway.....	663
News and Comment.....	665
Abstracts from Current Literature.....	666
Society Transactions:	
Chicago Neurological Society.....	679
Boston Society of Psychiatry and Neurology.....	688
New York Neurological Society.....	694
New York Neurological Society and New York Academy of Medicine, Section of Neurology and Psychiatry.....	696

	PAGE
Frontal Lobotomy and Electrical Stimulation of Orbital Surface of the Frontal Lobes: Effect on Respiration and on Blood Pressure in Man. William P. Chapman, M.D.; Robert B. Livingston, M.D., and Kenneth E. Livingston, M.D., Boston.....	701
Extinction Phenomenon in Hemiplegia. Morris B. Bender, M.D.; Mortimer F. Shapiro, M.D., and Arthur W. Schappell, M.D., New York.....	717
Use of Language in Dreams in Analysis of Aphasic Deficits. Herbert Goldhamer, Ph.D., Chicago.....	725
Psychiatric Aspects of Vagotomy: IV. Phantom Ulcer Pain. Thomas S. Szasz, M.D., Chicago.....	728
Projection of Dermatomes on the Substantia Gelatinosa. John Szentágothai and Tibor Kiss, Pécs, Hungary.....	734
Congenital Myasthenia in Siblings. Paul M. Levin, M.D., Dallas, Texas.....	745
Prognosis in Japanese B Encephalitis. Charles D. Aring, M.D., Cincinnati..	759
Patterns of Increased Electrical Skin Resistance in Acute Human Poliomyelitis. Fred M. Brown, M.D., and S. R. Bruesch, M.D., Ph.D., Memphis, Tenn.	766
Arteriovenous Fistula (Aneurysm) of the Great Cerebral Vein (of Galen) and the Circle of Willis: Report on Two Patients Treated by Ligation. Edwin Boldrey, M.D., and Earl R. Miller, M.D., San Francisco.....	778
Longevity in Multiple Sclerosis. Daniel Sciarra, M.D., and Sidney Carter, M.D., New York.....	784
Quantitative Visual Index to Memory Impairment: A Preliminary Report. Ellis Freeman, D.Sc., and William E. Josey, M.A., Galveston, Texas....	794
Palatal Myoclonus and Primary Nystagmus Following Trauma: Report of a Case. Milton B. Jacobson, M.D., and Warren F. Gorman, M.D., New York.....	798
Guillain-Barré Syndrome Complicating Antirabies Inoculation. Howard D. McIntyre, M.D., Cincinnati, and Howard Krouse, M.D., Iowa City.....	802
Blood Chemistry of Schizophrenic Patients Before, During and After Insulin Shock Therapy: Preliminary Studies. Sidney P. Gottfried, Ph.D., and Herman H. Willner, M.D., Northport, N. Y.....	809
Arteriographic Study of Effect of Drugs on Intracranial Vessels in Patients with Chronic Headache: A Preliminary Report. Arnold P. Friedman, M.D.; Emanuel Feiring, M.D.; Leo M. Davidoff, M.D., and H. Houston Merritt, M.D., New York.....	818
Neurofibromatosis (von Recklinghausen's Disease of the Nervous System): Analysis of the Total Pathologic Picture. Ben W. Lichtenstein, M.D., Chicago .....	822
Agenesis of the Corpus Callosum: An Electroencephalographic Study. J. G. Chusid, M.D., and C. G. de Gutiérrez-Mahoney, M.D., New York, and J. S. Chaffee, M.D., Erie, Pa.....	840
Spinal Subarachnoid Implantation Associated with Ependymoma. Hendrik J. Svien, M.D.; Edward Martin Gates, M.D., and James W. Kernohan, M.D., Rochester, Minn.....	847
Anticonvulsant Activities of Certain Thiazolidones and Hydantoins as Determined by Electric Shock Procedures in Cats, Rats and Mice. Charles R. Ensor, M.S., and Graham Chen, M.D., Detroit.....	857
Book Reviews.....	861
Society Transactions:	
Boston Society of Psychiatry and Neurology.....	862
Philadelphia Psychiatric Society.....	868
Abstracts from Current Literature.....	874

